Comments on NJDEP White Paper: SCS004C - Fluid Catalytic Cracking Unit (FCCU) Fluidized Coking Unit (FCU) in a Petroleum Refinery

n 2002		
	134	NIDED should reference the source(s) for the emission date so that comments can be movided. As presented there is insufficient
n 2002	3837	NJDEP should reference the source(s) for the emission data so that comments can be provided. As presented, there is insufficient background information to assess the accuracy of the emission estimates.
n 2002	1675	
		NJDEP information for the cost of NOx reduction is no realistic. We are in process of installing SCRs on the FCC at several facilities. The installed cost for each SCR is approximately \$20 MM. The expected NOx reductions are approximately 1,000 per year per facility, which results in a cost per ton of NOx removed of \$20,000. NJDEP should provide cost calculations and
		references for the basis of its cost calculation. In the White Paper, NJDEP states that LoTOx is the proposed new technology for NOx emission reduction without providing any supporting documents to validate this determination.
Ox Base:	1675	
ction: 09 ining:	<u>- 520</u> 1155	
)2		The SO2 reduction identified will likely be achieved through implementation of existing consent decrees. Nevertheless, NJDEP provides insufficient information to evaluate the accuracy of the documented SO2 reduction of 2837 tons/yr. NJDEP should provide the basis for the reduction so that detailed comments can be provided.
2002 Base: Reduction: 2009	3837 -2837 1000	
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Control Measure Summary from NJDEP White Paper	Emissions (tons/year) in NJ (from NJDEP White Paper)		Comments on NJDEP White Paper
Candidate Measure 4: Optimum Temperature and oxygen content in Regenerator and Feed Quality Control for VOC and CO reduction at no extra cost.	VOC 2002 Base: Reduction: 2009 Remaining:	134 - 20 114	NJDEP provides insufficient information to evaluate the accuracy of the documented VOC reduction of 20 tons/yr. NJDEP should provide the basis for the reduction so that detailed comments can be provided. Additionally, NJDEP should further detail how feed quality control can be implemented with no extra cost to facilities.
DeSOx catalyst addition and scrubber efficiency improvement are recommended for SOx control. Brief Rationale for Recommended Strategy: According to the current EPA Consent Decrees, facilities must achieve			